hydrate with the 50% acetic acid solution) to intensify the color. The more iron, the darker the color.

For permanent slides you will need 95% ethyl alcohol and Diaphane or Euparol.

SMEAR TECHNIQUE

Utilize the following procedure:

1. Place the root tip(s) in a dish of 5% Hcl for 5 minutes to loosen the cells.
2. Rinse the tips in de-ionized water for 5 min.
3. Repeat step 2.
4. Place 4 drops of aceto-carmine stain on a glass slide.
5. Place the root tip from the last water rinse on the stain and gently tease it apart with iron or steel needles.
6. Heat gently over a low flame - do not boil.
7. Place a cover slip over the root tip. Place the slide in a fold of a paper towel, noticing where the root tip is located under the cover slip. Press down on the cover slip with your thumb. The amount of pressure is critical and can be determined only by experience.
8. Examine the squash under the compound microscope.

The best material to use for this is root tips of newly set cuttings. Cut off the last ¼ inch. Temporary slides can be made by fixing the cover slips with wax. Kerr sticky wax is best. Permanent slides can be made by lifting the cover slip and immersing twice in 95% ethyl alcohol. Then put Diaphane or Euparol on and

(Cont'd)

reset the cover slip.

These materials may be obtained from:

1. General Biological Supply
   8200 S. Hayne Avenue
   Chicago, Illinois 60620

2. Carolina Biological Supply Co.
   Burlington, North Carolina 27216

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We hope to have a follow-up on the above in the next issue with drawings to show just what a slide will look like and pointing out how to do the counting.

- Editor

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ANNOUNCEMENT

FLORIDA STATE FAIR SHOW - February 15, 1969

Since bloom is so scarce in the Tampa area it has been decided by the Sunset Chapter that they will not maintain a daily display of Hibiscus at the Tampa State Fair, but WILL present a regular judged show on the last day of the Fair, February 15, 1969.

Anybody bringing blooms that morning will be admitted FREE. Blooms will be appreciated both for competition and decoration.

PLEASE come, we need you and your blooms.

Stanley Shaver,
Sunset President

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To a large extent, the rest of your days depend on the rest of your nights.